

FIG. 1

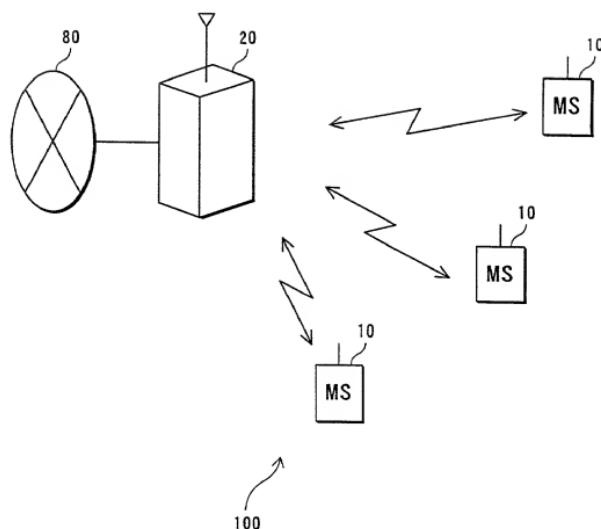


FIG. 2

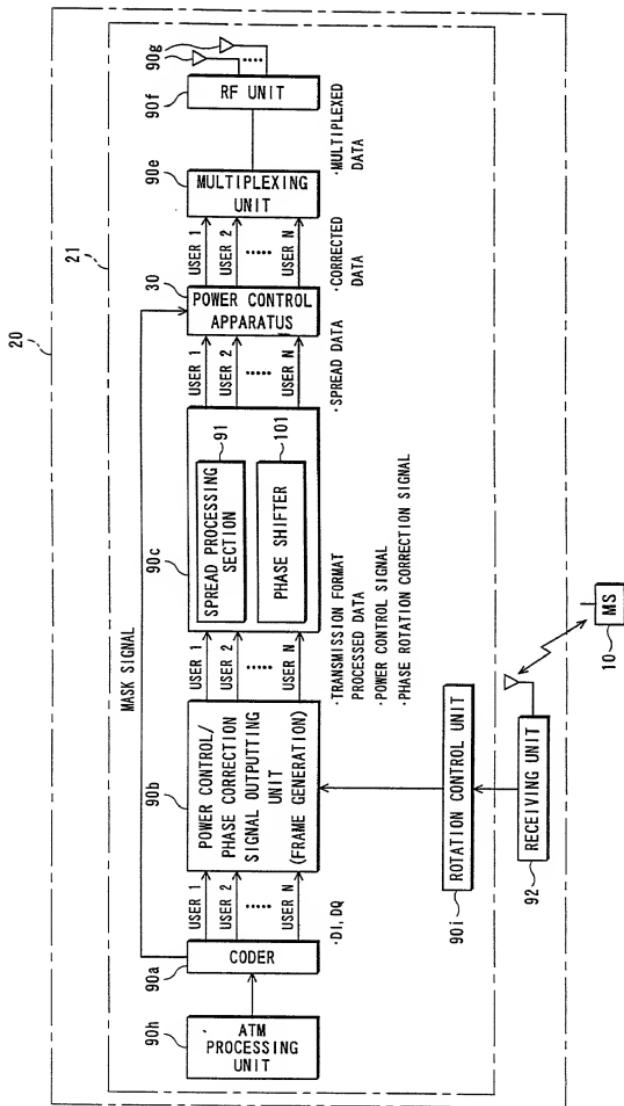


FIG. 3

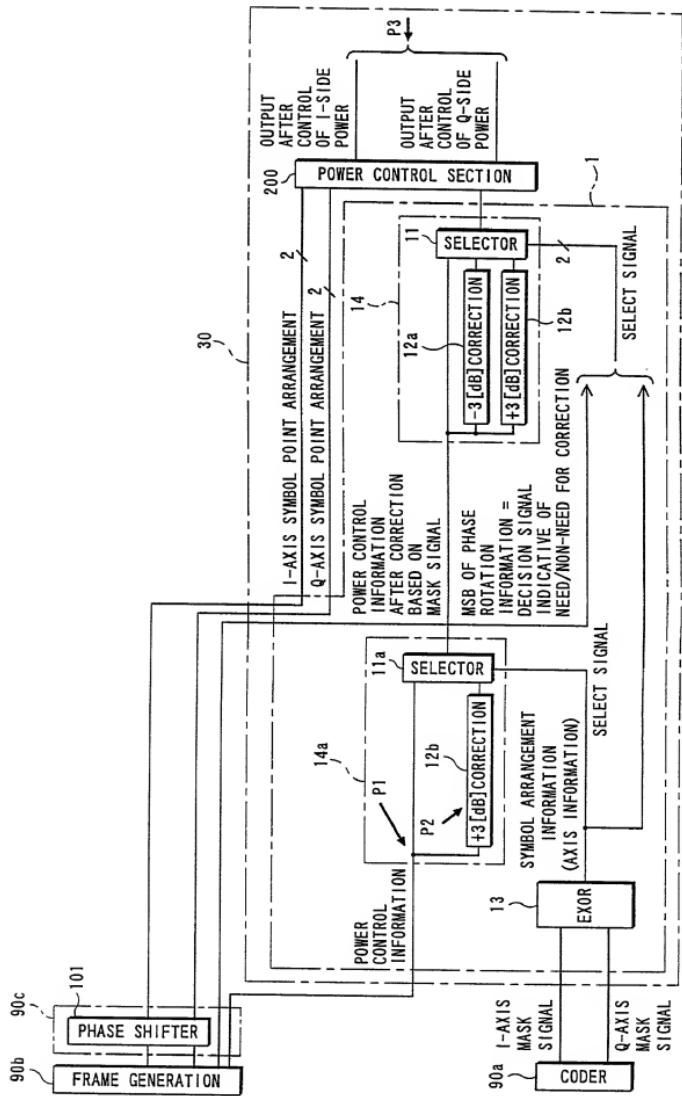


FIG. 4

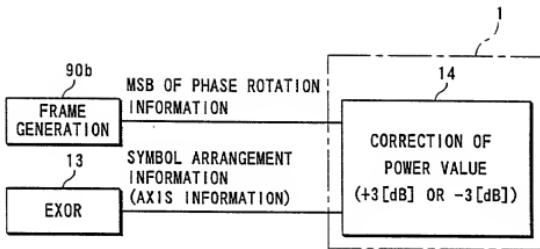


FIG. 5

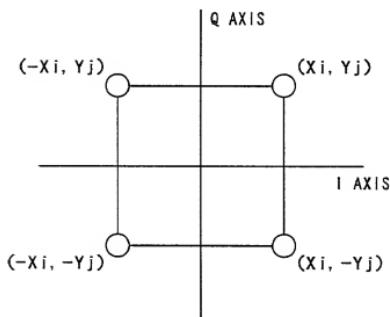


FIG. 6

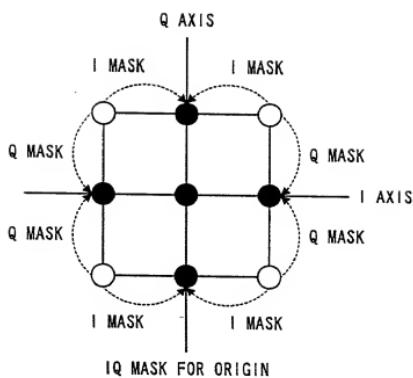


FIG. 7A

PHASE ROTATION QUANTITY [DEGREE]	ALLOCATION BIT
0	000
90	001
180	010
270	011
45	100
135	101
225	110
315	111

FIG. 7B

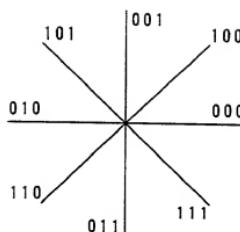


FIG. 8

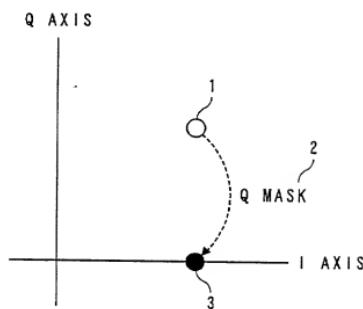


FIG. 9

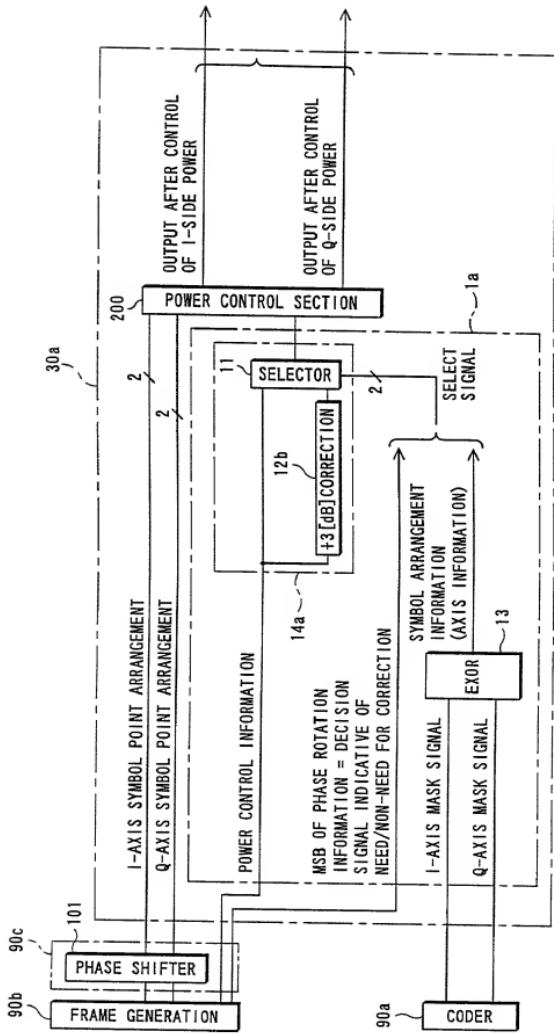


FIG. 10

CASE	CORRECTION BASED ON (= CORRECTION BASED ON MASK)		CORRECTION BASED ON PHASE ROTATION		TOTAL CORRECTION VALUE
	PRESENCE/ABSENCE OF MASK SIGNAL	CORRECTION VALUE	CONDUCT/NON-CONDUCT OF CORRECTION	CORRECTION VALUE	
a	ABSENT (○)	0 [dB]	NON-CONDUCTED	0 [dB]	0 [dB]
b	PRESENT (●)	+3 [dB]	NON-CONDUCTED	0 [dB]	+3 [dB]
c	ABSENT (○)	0 [dB]	CONDUCTED	-3 [dB]	+3 [dB]
d	PRESENT (●)	+3 [dB]	CONDUCTED	-3 [dB]	0 [dB]

FIG. 11A

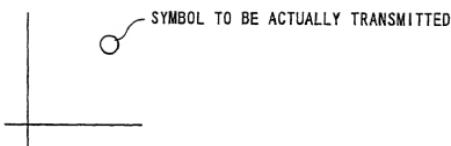


FIG. 11B

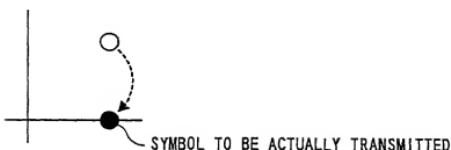


FIG. 11C

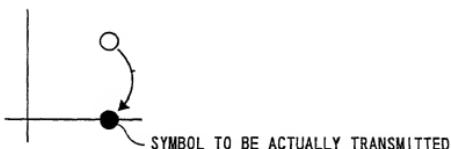
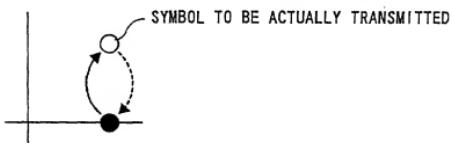


FIG. 11D



- COMMON QPSK SYMBOL
- MASK SIGNAL, OR SYMBOL SHIFTED BY PHASE ROTATION
- > SHIFT OF SYMBOL POINT BY MASK SIGNAL
- > SHIFT OF SYMBOL POINT BY PHASE ROTATION

FIG. 12

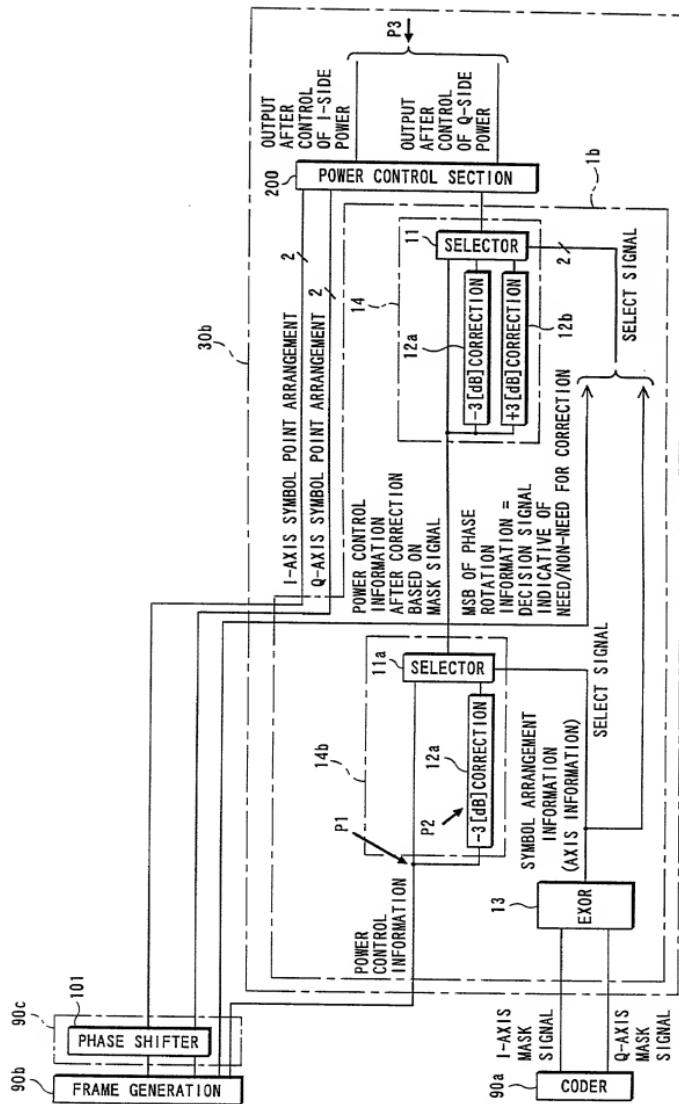


FIG. 13

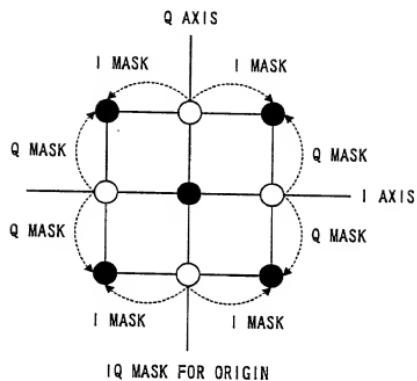


FIG. 14

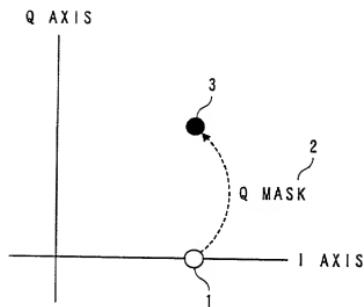


FIG. 15

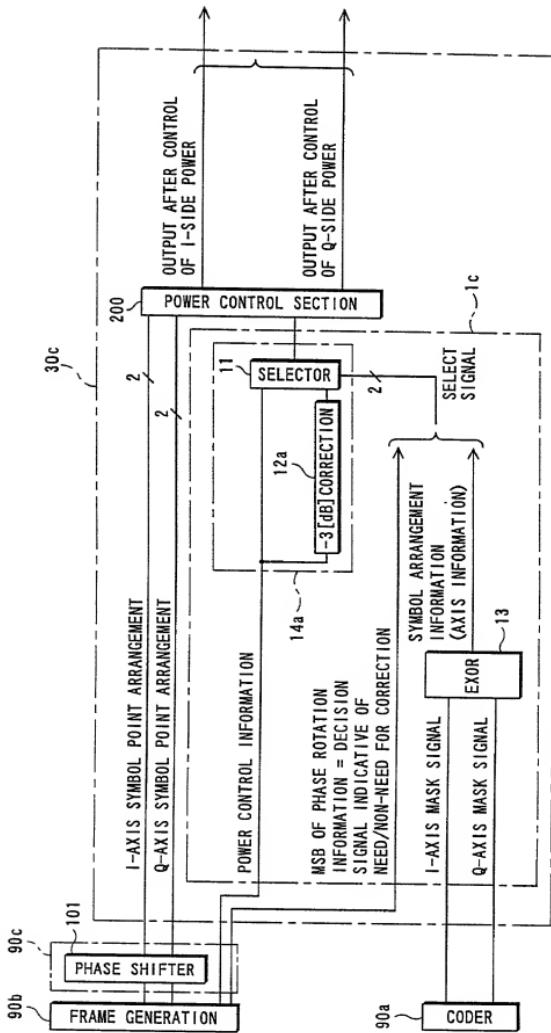


FIG. 16

CASE	CORRECTION BASED ON NINE-POINT CONSTELLATION (= CORRECTION BASED ON MASK)		CORRECTION BASED ON PHASE ROTATION		TOTAL CORRECTION VALUE
	PRESENCE/ABSENCE OF MASK SIGNAL	CORRECTION VALUE	CONDUCT/NON-CONDUCT OF CORRECTION	CORRECTION VALUE	
a	ABSENT (○)	0 [dB]	NON-CONDUCTED	0 [dB]	0 [dB]
b	PRESENT (●)	-3 [dB]	NON-CONDUCTED	0 [dB]	-3 [dB]
c	ABSENT (○)	0 [dB]	CONDUCTED	-3 [dB]	-3 [dB]
d	PRESENT (●)	-3 [dB]	CONDUCTED	+3 [dB]	0 [dB]

FIG. 17A

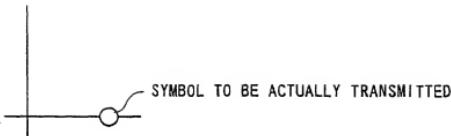


FIG. 17B

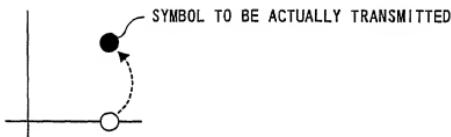


FIG. 17C

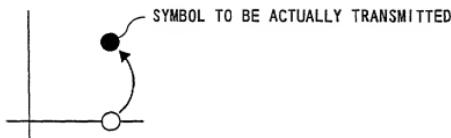
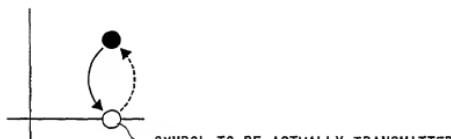


FIG. 17D



- COMMON QPSK SYMBOL
- MASK SIGNAL, OR SYMBOL SHIFTED BY PHASE ROTATION
- SHIFT OF SYMBOL POINT BY MASK SIGNAL
- SHIFT OF SYMBOL POINT BY PHASE ROTATION

FIG. 18

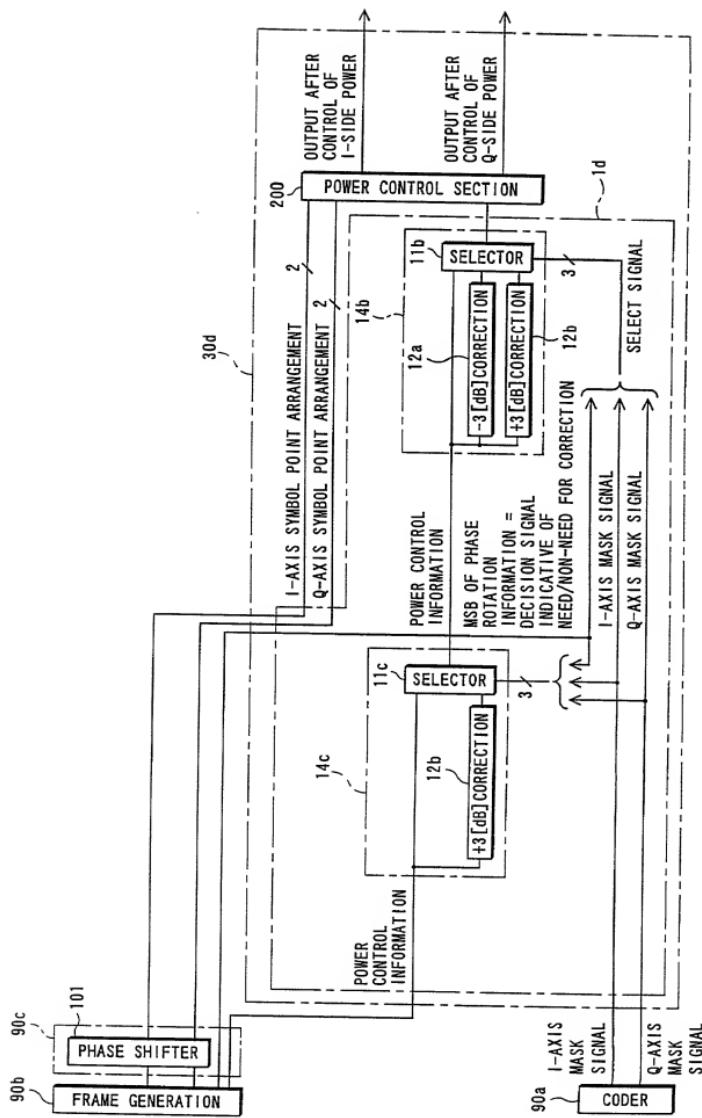


FIG. 19

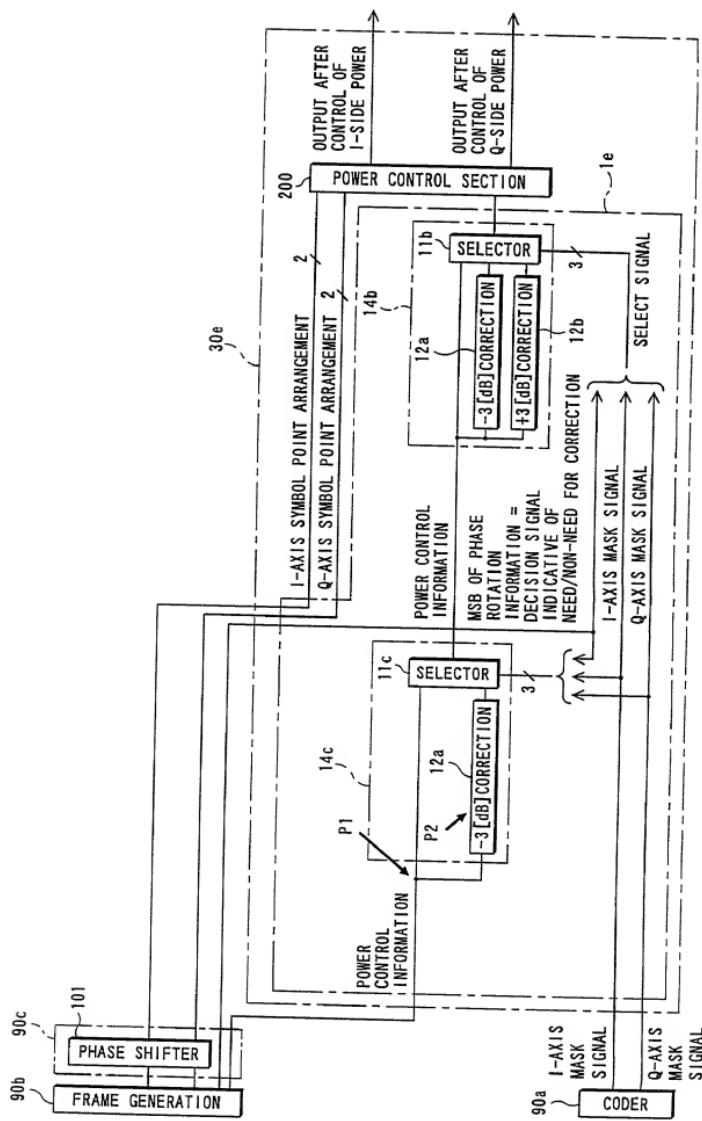


FIG. 20

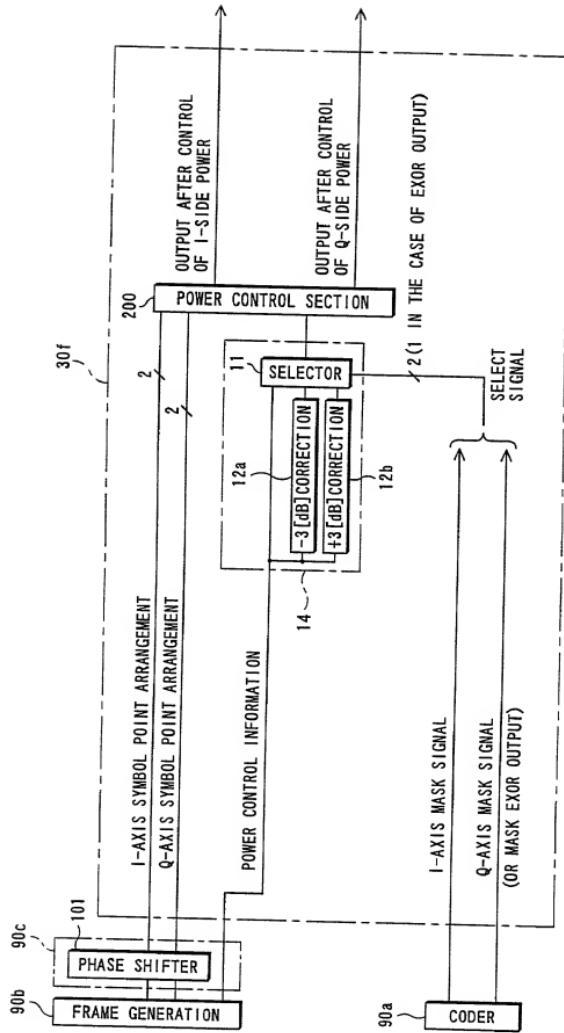


FIG. 21

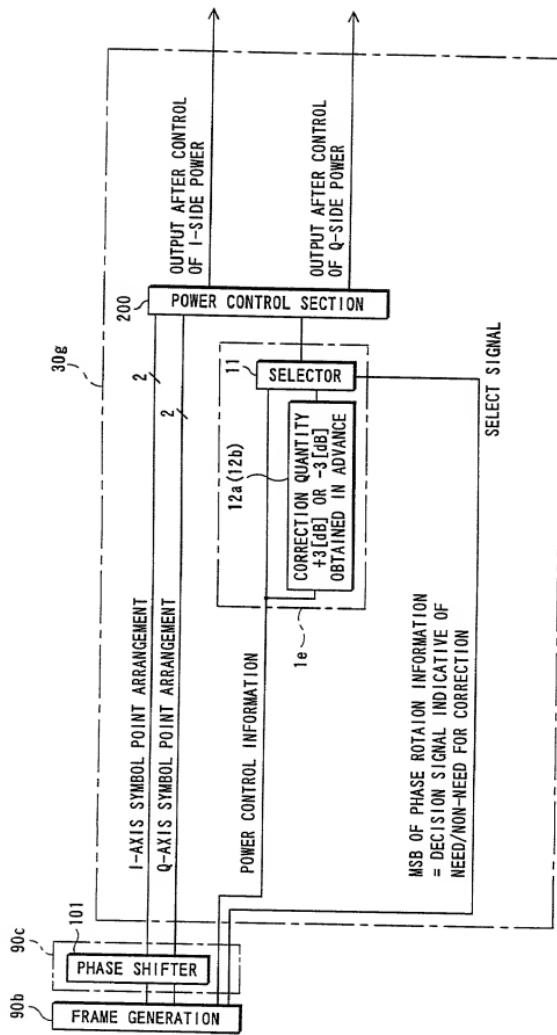


FIG. 22

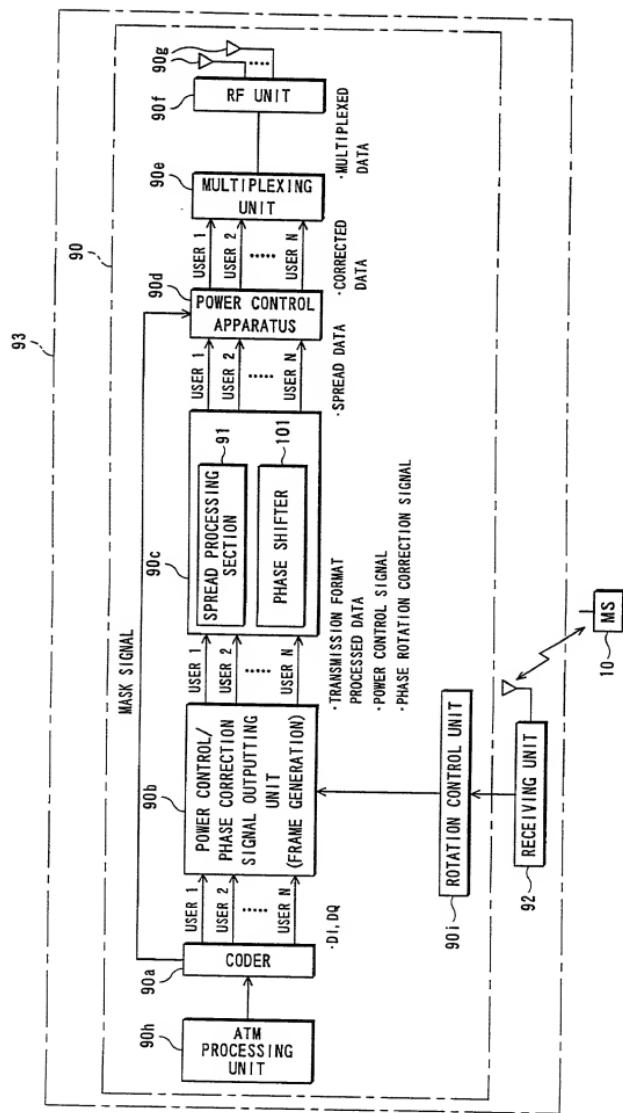


FIG. 23

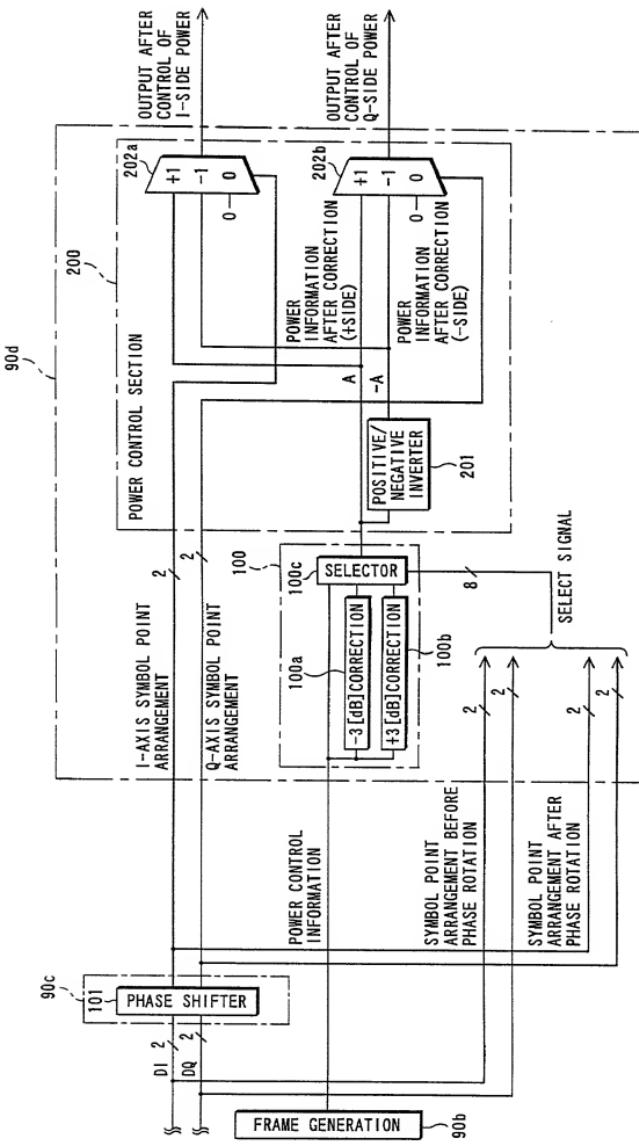


FIG. 24

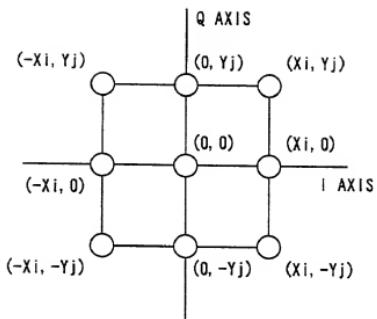


FIG. 25A

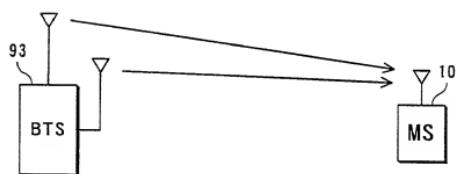


FIG. 25B

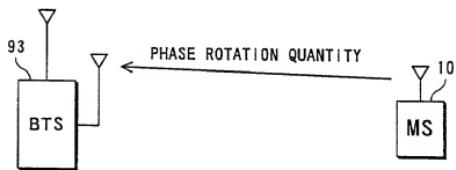


FIG. 26

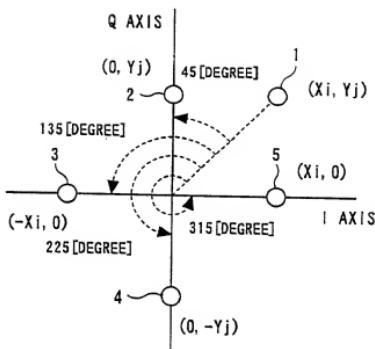


FIG. 27

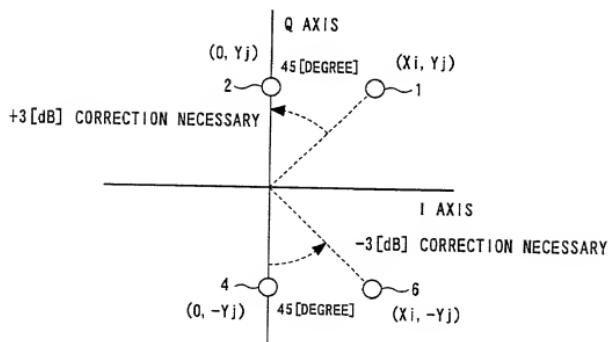


FIG. 28

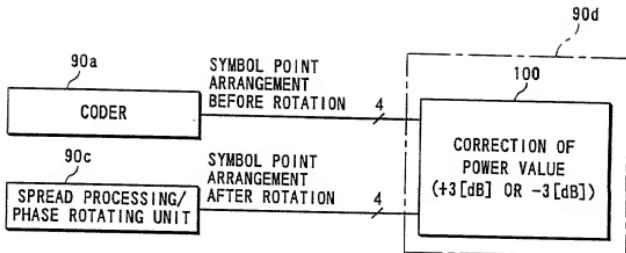


FIG. 29A

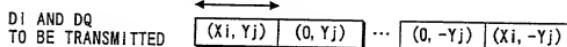


FIG. 29B

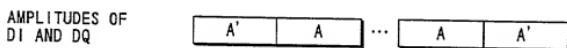


FIG. 29C

